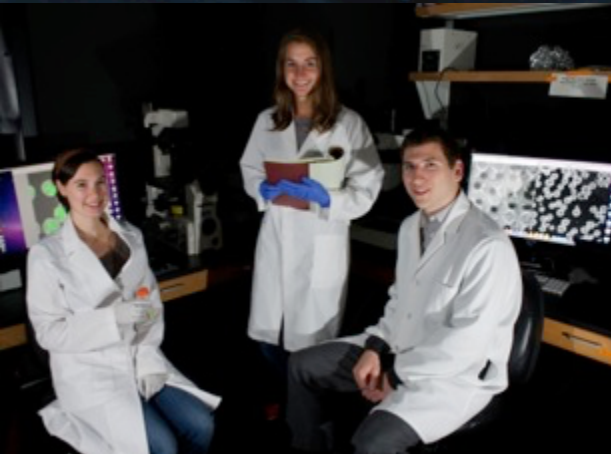


Georgia Tech Update

Intercollegiate Athletics

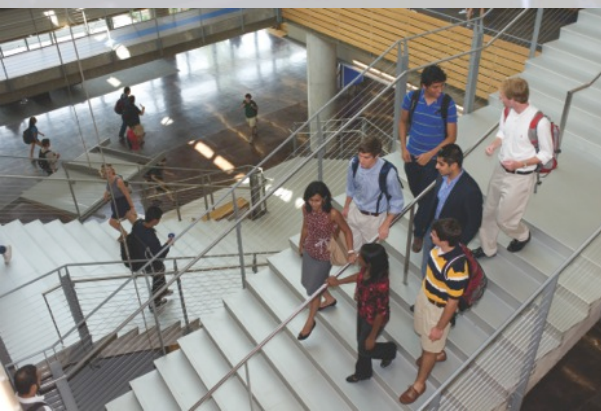
August 20, 2014



G. P. "Bud" Peterson
President



About Georgia Tech



- 400-acre main campus in Atlanta
- 21,500 students
- Ranked No. 7 by U.S. News and World Report
- \$730 million R&D expenditures in FY2013
- According to latest NSF data, in R&D spending, Tech ranked
 - 25th nationally
 - 4th among universities without a medical school;
 - 19th overall in federal R&D; and
 - 2nd in U.S. Department of Defense R&D

Our Students

In the past 5 years we have greatly enhanced student quality:

- **Recruited the best qualified and most diverse freshman class in Georgia Tech history**
- **Increased the number of freshman applications from 11,400 to 25,900**
- **Increased the average SAT from 1355 to 1443**
- **Increased average GPA from 3.81 to 3.94**
- **Reduced the acceptance from 68% to 33%**
- **Provided full scholarships (tuition, room and board) for more than 600 needy students per year**
- **Dramatically increased student diversity:**
 - **Freshmen women from 30% to 38%**
 - **Underrepresented minorities to 17% and**
 - **International students 10%**



Global Impact

Over the past two decades, Georgia Tech has grown into one of the most globalized technological universities in the world.

- **Outstanding students from 49 states and 115 countries**
- **Global centers in China, Singapore, Ireland, Costa Rica and Panama**
- **Research and education collaborations with more than 80 countries**



Georgia Tech and the University of Stuttgart Establish Joint MS Degree

The George W. Woodruff School of Mechanical Engineering at the Georgia Institute of Technology has established a joint Master of Science degree program with one of Europe's top technical universities, the [University of Stuttgart](#) in southern Germany. This two-year program will require students to spend a year at each institution studying and conducting research, leading to the receipt of a single MS degree in mechanical engineering from both schools. Georgia Tech students spending their second year in Stuttgart will also do an internship with either Daimler-Benz or Bosch, gaining both industrial technical expertise and experience in international business. The first groups of students to participate in the program will enter their respective institutions in the Fall, 2014 term.



Workforce 2020 Forum in Shanghai and Taipei



Senior leaders joined the forum with AmCham, Shanghai



Other Shanghai Forum Speakers:

Glen Walter, CEO, Coca-Cola Bottling Investments Group China

James Liang, CEO & Founder, Ctrip

Joe-Tao Zhou, President Eaton China



SZ ECE Program Press Conference



US Consulate General of
Guangzhou, Jennifer Galt,
Joined the Press
Conference in Shenzhen
on April 23rd.

NATO Supreme Headquarters Allied Powers Europe (SHAPE)



General Philip Breedlove
Supreme Allied Commander,
Europe (CE '77)



Georgia Tech Lorraine

- Reaching out to Parliament
- Developing global business relationships
- Opening of Lafayette Institute



National Impact

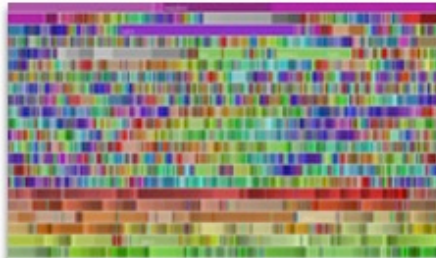
Georgia Tech is making its mark in areas ranging from energy to cyber-security to space, with faculty, staff, and alumni offering expertise on panels, testifying before Congress, serving as media experts, and in other leadership positions.

Three Cabinet Secretaries on campus

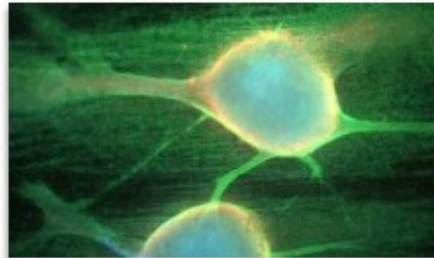
- Penny Pritzker, *Commerce*
- Jeh Johnson, *Homeland Security*
- Ernest Moniz, *Energy*



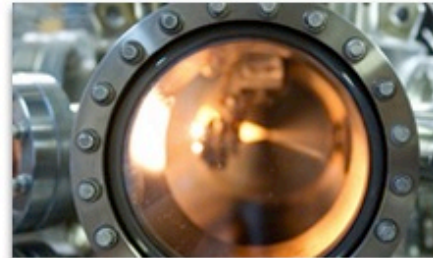
12 Core Research Areas



Big Data



Bioengineering and
Bioscience



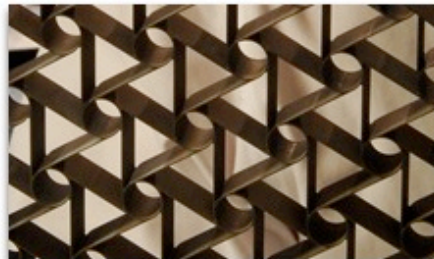
Electronics and
Nanotechnology



Energy and Sustainable
Infrastructure



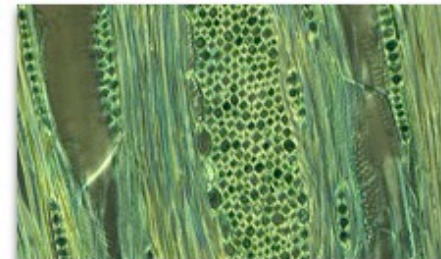
Manufacturing, Trade,
and Logistics



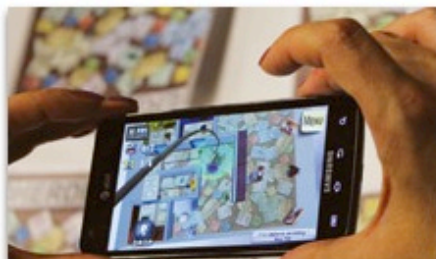
Materials



National Security



Paper Science and
Technology



People and Technology



Public Service,
Leadership, and Policy



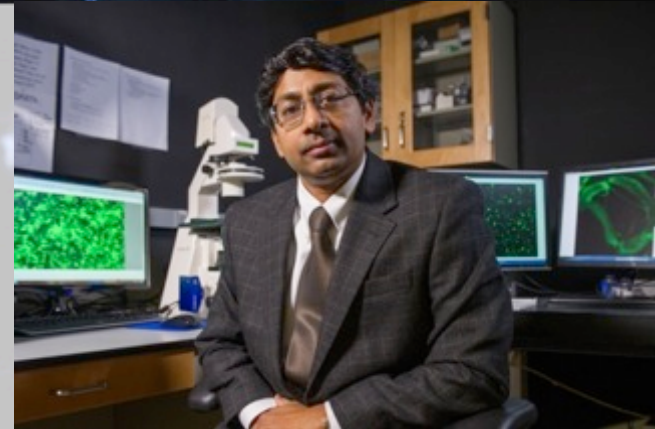
Robotics



Systems

Recent Research in the News

- **Ravi Bellamkonda** – fighting brain cancer by guiding tumors using aligned polymeric nanofibers
- **Levent Degertekin** – device to provide real-time 3-D images from inside the heart and blood vessels
- **GT STRUDL** engineering software acquired by Intergraph
 - Developed at Tech in the 1970s
 - Used by structural engineers in more than 40 countries



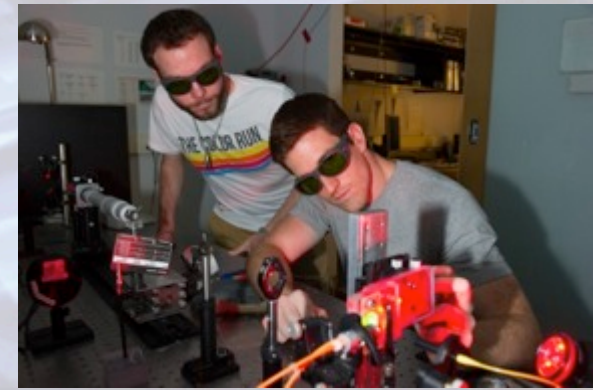
Innovative Approaches to Learning



- **Collaborative**
- **Interdisciplinary**
- **Online Courses and Programs (OMS-CS)**
- **“Flipped” Classrooms**
- **Emphasis on Undergraduate Research**
- **Service Learning**
- **Global Challenges**

Regional Impact

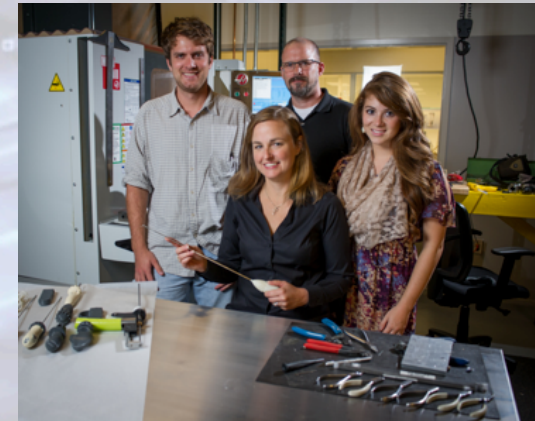
- A Decade of Innovation in Tech Square
- 100 companies in Centergy One, including 50 startups
- EI² works with more than 2,500 organizations
- ATDC has supported 400 tech startup companies generating capital activity of more than \$162M
- GMEP assisted Georgia companies in creating 1,000 jobs, growing sales by \$451M



Industry Partnerships

In the past 5 years we have expanded the number of strategic partnerships

- **Emory University, GRU, Georgia State and other universities**
- **Children's Healthcare of Atlanta**
- **The Centers for Disease Control**
- **Renewable Bioproducts Institute**
- **Business and industry, including
AT&T, BP, Coca-Cola, Imerys, Panasonic, RBC, ThyssenKrupp,
NCR, Home Depot**



Campus Improvements

In the past 5 years we have facilitated more than \$639M (2.1M gross square feet) in new building construction and major renovations, including:

- **Bernie Marcus Nanotechnology Building**
- **Steven P. Zelnak Basketball Practice Facility**
- **John and Mary Brock Football Practice Facility**
- **G. Wayne Clough Undergraduate Learning Commons**
- **Chapin Building Renovation**
- **Ken Byers Tennis Complex**
- **Stephen C. Hall Building Renovation**
- **Cobb County Research Facility**
- **Technology Enterprise Park 1 Building**
- **Mason Building Renovation**
- **Hank McCamish Pavilion**
- **Carbon Neutral Energy Solutions Building**
- **Started renovation of new EHS Building**
- **Secured funding for design of Library Towers renovation**



Engineered Biosystems Building

- 6 stories
- 220,000 square feet
- Designed for interdisciplinary collaboration
- Scheduled to open June 2015



Developing solutions to multifaceted challenges at the intersection of life sciences, physical sciences and engineering —Convergent Sciences

InVenture Prize Competition



InVenture Prize

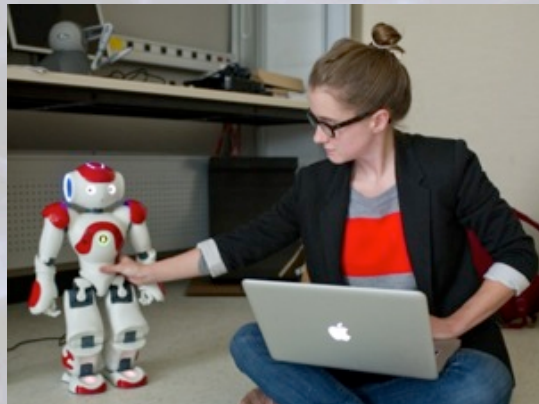
- 560 students in 2014
- 2,400 in 6 years
- 1st Prize:
 - \$20,000
 - Free licensing
 - Flashpoint



A Time of Positive Momentum - In the past 5 years we have:

Supported our overall Mission -

- Became the first university to be invited into the AAU in 9 years.**
- Invested \$14.3 million to create and fully fund 123 new tenure or tenure-track faculty positions.**
- Secured funding to endow 51 new chairs or professorships.**
- Raised an average in excess of \$140 million/year in new gifts and commitments.**
- Increased sponsored research by 40%.**
- Reduced administrative costs and improved service.**
- Greatly expand our partnerships and collaborations.**
- Created robust support for the arts to cultivate creative and analytical talents.**



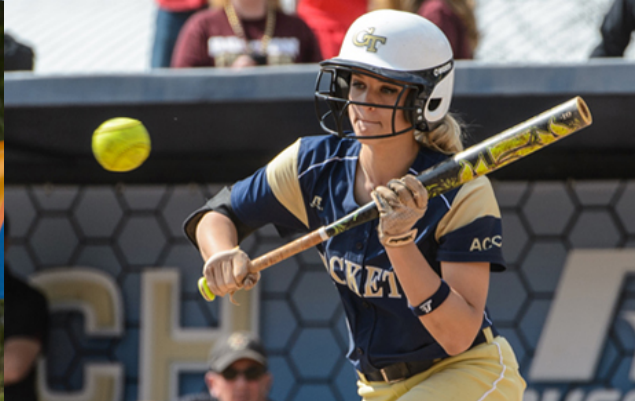
Capital Campaign. . .



**Launched the public phase of
Campaign Georgia Tech
our \$1.5 billion capital campaign.**

**Raised more than \$1.45 billion through
the generosity of Georgia Tech alumni
and many other supporters.**

17 DI Teams Excelling both Academically and Athletically





Your Turn - ?'s

